

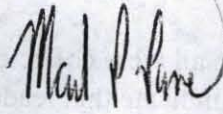
**U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT**

I. HEADING

Date: December 13, 2004

Subject: Barry Bronze Bearing Inc.
Camden, Camden County, New Jersey
Removal Action: RV2

From: Mark P. Pane, OSC
Removal Action Branch



To:	R. Salkie, EPA	D. Karlen, EPA
	G. Zachos, EPA	C. Turner, City of Camden
	J. Rotola, EPA	J. Smolenski, NJDEP
	M. Mears, EPA	P. Zammit, EPA
	T. Grier, 5202G	A. Block, ATSDR
	J. Fajardo, EPA	RST

POLREP NO. : 3 [11/20/04 - 12/03/04] RV2

II. BACKGROUND

Site No:	UX
CERCLIS No:	NJC200400018
Response Authority:	CERCLA
NPL Status:	Not Listed or proposed
ROD Signed:	Not applicable
State Notification:	NJDEP Notified
Start Date:	October 12, 2004
Completion Date:	Ongoing
Status of Action Memorandum:	Signed on September 16, 2004
Delivery Order Number:	EP-W-04-054-02

III. SITE INFORMATION

I The Barry Bronze Bearing (BBB) Company Site is located at 2204 South 7th Street, Camden, New Jersey 08104. The Site is approximately 0.6 acres in size and contains a 19,000 ft² industrial building which occupies approximately 80% of the property. The balance of the property is paved and was utilized for parking. The Site is accessed from 7th Street along its western boundary which is a residential setting with a church located at the corner. South of the Site are additional residences located on Florence Street. Adjacent to the Site to the East is a large warehouse complex operated by the City of

Camden's Department of Education; and to the north lies Bulson Street and an active railroad. Bulson Street is an un-paved City Street. North of Bulson Street is a 5 acre parcel of land owned by the City of Camden that is currently being developed for low income residential housing. A new housing development is located to the north-west of the Site.

BBB operated at this location from 1928 until operations were terminated in August, 1997. They manufactured a variety of metal castings which were made of different alloys. Spent foundry sands from the casting process were dumped behind the building along Bulson Street as road fill.

Approximately 150 soil samples in all were collected along Bulson Street as part of the RSE. The results of the sampling indicate that lead contaminated soil in proximity to the BBB building along Bulson Street exists in significant concentrations and then diminishes eastward away from the building. The average concentration for lead in proximity to the BBB building was 3,058 ppm. Concentrations east of the BBB building averaged only 539 ppm. TCLP analysis of soil in proximity to the BBB building yielded results as high as 287 mg/l of lead. The lead contamination existing at the surface of the street, the uncontrolled access through this area by local residents and the fact that an active rail road line bisects this area pose a significant threat requiring mitigation.

IV. RESPONSE INFORMATION

A. Planned Response Actions

The planned scope of work for this action is to excavate and dispose of lead contaminated soil which exists along the surface of Bulson Street. The excavation will be based on data obtained during the RSE and also limited in depth to satisfy the safety requirements of the buried utilities (gas, electric and fiber optic) which underlie the area as well the proximity to the active rail line which bisects Bulson Street.

B. Situation

1. Current situation

During this period the ERRS crew initiated soil disposal activities. Approximately 462 tons of lead contaminated soil was shipped off site via 21 truck loads. ERRS also disposed of approximately 60 cubic yards of non hazardous debris from the excavation area. ERRS began excavation in Grids C1 and C2 this period.

2. **Response activities to date: November 20 through December 3, 2004**

The excavation area has been divided into 9 grids, 6 south of the train tracks and the remaining 3 are north of the train tracks. The excavation depth ranges from 12 to 18 inches deep and span roughly 335 feet east of 7th Street on both the north and south sides of the train tracks which bisect Bulson Street. Please see attached diagram for reference.

Excavation in grids C1 through C3 began on November 22, 2004. These grids contain a soil embankment with dense vegetation and numerous large trees. A chain link fence is also embedded in this embankment and the vegetation has it almost completely encompassed. The excavation of these grids has required removal of tree stumps and cutting away the sections of fence. Sorting of organic debris and non-organic debris has also taken place for disposal purposes. Temporary fencing was also mobilized and installed to maintain security of the adjoining property while the embankment is mitigated.

Roll off boxes filled with non hazardous debris and non hazardous vegetation debris generated from the embankment area were removed from the Site on November 29 and 30, 2004. On November 30, 2004 and December 1, 2004, WRS loaded and shipped 21 loads of soil for disposal. The soil was staged in soil piles 1, 2 and 3 which were generated from field excavation activities.

During the week of November 29, 2004, Conrail was unable to provide any flagman to support field activities. Load out procedures were modified so as not to encroach on the 15 foot "no fouling zone" established by Conrail.

Air monitoring was conducted each day of this period to evaluate the impact of field activities on local air quality. Two downwind and one upwind location were selected and each was equipped with a dataRam 4000 and an SKC pump. The dataRams are used to monitor the real time particle concentration of any airborne particulate matter as well as mean particle size, temperature and relative humidity data. The SKC pumps collect air samples on filter paper which can be analyzed should any elevated particulates be detected with the data rams. Any analysis of the filter paper would include testing for lead which is the primary contaminant of concern in the soil. During this period, no air quality issues were observed.

Field activities were suspended from November 24 through November 28,

2004, for the Thanksgiving Day Holiday. Armed, off hours security was maintained on site during the break and all non-working hours. No incidents were reported this period.

3. Enforcement

The owner of the BBB facility has been very cooperative with EPA. Formal access to conduct an RSE on the property was granted on March 23, 2004. On October 26, 2004, EPA issued a Notice of Potential Liability and Request for Information to the owner. The owner has stated that he is financially incapable of performing the planned mitigation actions. A decision to pursue the BBB owner or other potential PRPs for cost recovery actions is being evaluated by EPA.

C. Next Steps

EPA will continue with the excavation in Grids C1, C2 and C3. Final scraping of soil in the 6 grids south of the tracks will also occur. Final grading and backfilling will commence upon collection of post excavation sampling.

D. Key Issues

All field activities must proceed very cautiously due to the presence of buried gas, electric, sewer and fiber optic lines. An overhead power line along the south side of Bulson Street also exists. In addition, the access agreement with Conrail precludes staging any material within 15 feet of the center line of the track. A Conrail flagman must also be used each day excavation activities occurs. Activity must stop while trains pass by the Site which occurs usually twice daily. Conrail flagmen are not always available and on days when they are not, field activities can not take place normally. In addition, the Site has limited storage space which has required double handling of soil piles to complete excavation activities. Each of these factors serve to impede the pace at which field activities can occur.

Armed security guards are necessary safeguard the Site during off hours.

V. COST INFORMATION for RV2 only (As of, December 3, 2004)¹

	Current Budget ²	Cost to Date ³	Amount Remaining
ERRS	\$300,000	\$187,271	\$112,729
RST	\$75,000	\$15,288	\$59,712
EPA	\$100,000	\$23,000	\$77,000

CONTINGENCY	\$92,000	\$0	\$100,000
TOTAL	\$567,000	\$225,559	\$349,441

1. The cost accounting documented above is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.
2. ERRS funding for this action was approved under procurement request with DCN# HE-0305, dated September 27, 2004, in the amount of \$300,000. RST, EPA and contingency budgets provided as part of action memo dated September 16, 2004.
3. RST cost based on loaded estimated hourly rate of \$72/hour. EPA cost based on loaded estimated hourly rate of \$100/hour. ERRS cost are reported directly from corresponding 1900-55.

VI. DISPOSITION OF WASTES (During this Reporting Period)

Type of Waste	Quantity (Estimated)	Disposal Facility	Treatment	Shipment Date	Manifest Numbers
Soil (Lead Contaminated) D008 Waste	198 tons	Republic Environmental Systems	Stabilization and Landfill	11/30/04	05694 thru 05702 (9 loads)
Soil (Lead Contaminated) D008 Waste	264 tons	Republic Environmental Systems	Stabilization and Landfill	12/01/04	05703 thru 05708, 058010 thru 058015 (12 loads)
Debris (Non - haz)	30 yd3	South Jersey Sanitation, Pennsauken Landfill	Landfill	11/29/04	N/A
Vegetation (Non-haz)	30 yd3	Winzinger Recycle	Recycle (into wood chips)	11/30/04	N/A

1. Republic Environmental Systems, Hatfield, PA. EPA ID# PAD085690592.
2. Pennsauken Landfill, 9600 River Road, Pennsauken, NJ 08110
3. Winzinger Recycling, 1704 Maine Highway, Hainesport, NJ 08036

City of Camden Residential Redevelopment

Block Line Corridor

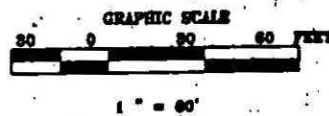
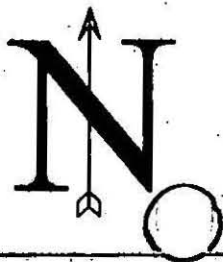
C1	C2	C3
B1	B2	B3
A1	A2	A3

Control Restricted Area

Soil Staging Area

City of Camden Board of Education Warehouse (Active)

Part of Block Line Corridor



Weston Solutions, Inc.
Federal Programs Division

IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENCE AND ENVIRONMENTAL ASSOCIATES, INC.,
TRANEARPPMC TECHNOLOGIES GROUP

FIGURE 1, EXCAVATION GRID
BARRY BRONZE SITE
2204 SOUTH SEVENTH ST
CAMDEN, NEW JERSEY

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # 68-W-00-113

DRAWN BY: T. KISH
EPA DSC: MARK PANE
RST SPM: T. KISH
FILENAME: BARRY REMOVAL GRID